

APPLICATION NOTE 802

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PC830 Simple ASCII Protocol and PLCs

Description The purpose of this application note is to demonstrate how to communicate between PLC ASCII BASIC modules and the PC830 using the PC830 Simple ASCII Protocol. This application note includes BASIC programs for Allen Bradley, PLC Direct, Omron and GE PLCs. The programs demonstrate how to read and write all of the parameters in the PC830. The programs differ slightly due to the manufacturer's differences in the BASIC programming language.

Required Equipment

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| PC830 | <ul style="list-style-type: none">• PC830 with Firmware Version 2.0 or higher• 830Tools Version 2.0 or higher• MA830 Rev 5• RS-232 Serial interface cable |
| PLC Direct | <ul style="list-style-type: none">• PLC Direct D2-240, CPU or equivalent• PLC Direct D2-06B, 6 slot back plane or equivalent• PLC Direct F2-CP128, ASCII BASIC module or equivalent• PLC Direct F2-CP-M, ASCII BASIC module manual• (2) D2-DSCBL RS-232 Cables |
| Allen Bradley | <ul style="list-style-type: none">• SLC500 series CPU or equivalent• SLC500 series backplane or equivalent• 1746-BAS ASCII BASIC module or equivalent• 1746-6.3 BASIC reference manual• (2) RS-232 Cables |
| GE | <ul style="list-style-type: none">• IC693CPU313 5 slot chassis with embedded CPU or equivalent• HE693ASC900 ASCII BASIC card or equivalent• (2) RS-232 Cables |
| Omron | <ul style="list-style-type: none">• C200HE-CPU42-E CPU or equivalent• C200HW-BC051 5 slot back plane or equivalent• C200H-ASCII ASCII BASIC module or equivalent• (1) RS-232 Cables, (1) C-100-6 Omron serial cable |